

21. The pair of nucleic acid probes of claim 20 wherein the single corresponding nucleic acid molecule is at least a fragment of a chromosome.

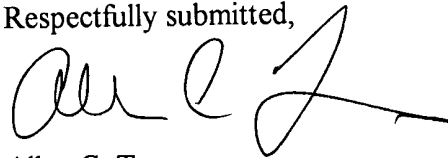
Remarks

The application is to be amended as previously set forth. Claim 13 is to be canceled. New claims 17 through 21 are to be added. All amendments, including claim cancellations, are made without prejudice or disclaimer.

For the most part, the amendments are made to bring the application closer to United States practice, and to remove multiple claim dependencies. For example, section titles are added, the brief description of the figures is moved, and sequence identification numbers are added to the specification and claims. It is respectfully submitted that no new matter has been added by the amendment.

If questions exist after consideration of the foregoing, the Office is kindly requested to contact the applicants' representative at the address or telephone number below.

Respectfully submitted,



Allen C. Turner
Registration No. 33,041
Attorney for Applicants
TRASK, BRITT & ROSSA
P. O. Box 2550
Salt Lake City, Utah 84110-2550
Telephone: (801) 532-1922

Date: November 12, 1999.

09/439,040 11/12/99
536/24.3
435/6
536 23.1